

10/514,430

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 \*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 09:12:06 ON 19 FEB 2008

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chain nodes :  
 7 8 9 10 11 12 13 14 15 17 19 20 22 26  
 ring nodes :  
 1 2 3 4 5 6  
 chain bonds :  
 4-7 5-11 7-8 7-9 7-10 11-12 11-13 13-26 14-17 14-15 19-22 20-22  
 ring bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6  
 exact/norm bonds :  
 1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-11 7-8 7-9 7-10 11-12 11-13 13-26 14-17  
 14-15 19-22 20-22  
 isolated ring systems :  
 containing 1 :

G1:O,S,N

G2:O,S

G3:[\*1],[\*2]

Match level :  
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 17:CLASS 19:CLASS 20:CLASS  
 22:CLASS 26:CLASS

=> s 11 sam  
 L2 14 SEA SSS SAM L1

=> s 11 full  
 L3 401 SEA SSS FUL L1

=> file caplus

=&gt; s 13

L4 11 L3

=&gt; s 14 and pd&lt; may 2002

22701581 PD&lt; MAY 2002

(PD&lt;20020500)

L5 1 L4 AND PD&lt; MAY 2002

=&gt; dis 15 bib abs hitstr

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1994:605212 CAPLUS Full-text

DN 121:205212

TI Preparation of nicotinamides as pesticides

IN Toki, Tadaaki; Koyanagi, Toru; Morita, Masayuki; Yoneda, Tetsuo; Kagimoto, Chiharu; Okada, Hiroshi

PA Ishihara Sangyo Kaisha, Ltd., Japan

SO Eur. Pat. Appl., 39 pp.

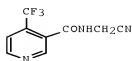
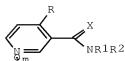
CODEN: EPXXDW

DT Patent

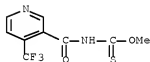
LA English

FAN.CNT 1

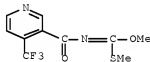
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 580374	A1	19940126	EP 1993-305622	19930716 <--
	EP 580374	B1	19960103		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 06321903	A	19941122	JP 1993-214766	19930630 <--
	JP 2994182	B2	19991227		
	CA 2100011	A1	19940124	CA 1993-2100011	19930707 <--
	CA 2100011	C	19980203		
	ZA 9305042	A	19940405	ZA 1993-5042	19930713 <--
	IL 106340	A	19990312	IL 1993-106340	19930714 <--
	SK 281481	B6	20010409	SK 1993-750	19930715 <--
	AT 132489	T	19960115	AT 1993-305622	19930716 <--
	ES 2085118	T3	19960516	ES 1993-305622	19930716 <--
	AU 9342106	A	19940203	AU 1993-42106	19930721 <--
	AU 657056	B2	19950223		
	BR 9302960	A	19940216	BR 1993-2960	19930722 <--
	RU 2083562	C1	19970710	RU 1993-50289	19930722 <--
	PL 173611	B1	19980430	PL 1993-299769	19930722 <--
	CN 1081670	A	19940209	CN 1993-109092	19930723 <--
	CN 1044233	B	19990721		
	US 5360806	A	19941101	US 1993-95192	19930723 <--
	HU 68334	A2	19950628	HU 1993-2144	19930723 <--
	HU 214279	B	19980302		
	CZ 286147	B6	20000112	CZ 1993-1502	19930723 <--
PRAI	JP 1992-238804	A	19920723		
	JP 1993-57668	A	19930205		
	JP 1993-96428	A	19930317		
OS	MARPAT 121:205212				
GI					



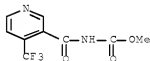
- AB Title compds. [I; R = halomethyl; R1,R2 = H, (cyclo)alkyl, alkenyl, alkylsulfonyl, etc.; NR1R2 = heterocyclyl; X = O or S; m = 0 or 1 ] were prepared Thus, 4-trifluoromethylpyridine-3-carboxylic acid was amidated by H2NCH2CN to give title compound II which gave complete control of Myzus persicae larvae on eggplant leaf dipped in an 800ppm solution
- IT 158062-75-0P 158062-80-7P 158062-83-0P  
158063-00-4P 158063-12-8P 158063-13-9P  
158063-14-0P 158063-15-1P 158063-17-3P  
158063-61-7P 158063-63-9P  
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as pesticide)
- RN 158062-75-0 CAPLUS
- CN Carbamothioic acid, N-[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, O-methyl ester (CA INDEX NAME)



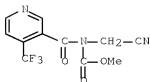
- RN 158062-80-7 CAPLUS
- CN Carbonimidothioic acid, [[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, O,S-dimethyl ester (9CI) (CA INDEX NAME)



- RN 158062-83-0 CAPLUS
- CN Carbamic acid, N-[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, methyl ester (CA INDEX NAME)

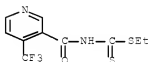


- RN 158063-00-4 CAPLUS
- CN Carbamic acid, (cyanomethyl)[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



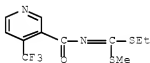
RN 158063-12-8 CAPLUS

CN Carbamodithioic acid, [[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



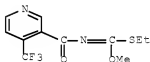
RN 158063-13-9 CAPLUS

CN Carbonimidodithioic acid, [[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, ethyl methyl ester (9CI) (CA INDEX NAME)



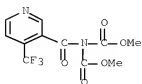
RN 158063-14-0 CAPLUS

CN Carbonimidodithioic acid, [[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, S-ethyl O-methyl ester (9CI) (CA INDEX NAME)

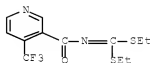


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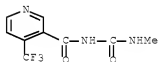
CN Imidodicarbonic acid, [[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, dimethyl ester (9CI) (CA INDEX NAME)



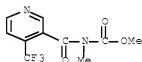
RN 158063-17-3 CAPLUS  
 CN Carbonimidodithioic acid, [[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 158063-61-7 CAPLUS  
 CN 3-Pyridinecarboxamide, N-[(methylamino)carbonyl]-4-(trifluoromethyl)- (CA INDEX NAME)



RN 158063-63-9 CAPLUS  
 CN Carbamic acid, methyl[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



=> s 14 not 15  
 L6 10 L4 NOT L5  
 => dis 16 1-10 bib abs fhistr

L6 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2007:505101 CAPLUS [Full-text](#)

DN 146:456842

TI Protection of plant from insect pests and pest control using pyridine compounds, and seed, seedling pot, or nursery box treatment agents containing the compounds

IN Morita, Masayuki

PA Ishihara Sangyo Kaisha, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 14pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.

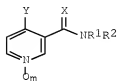
KIND

DATE

APPLICATION NO.

DATE

PI JP 2007112752 A 20070510 JP 2005-306431 20051020  
 PRAI JP 2005-306431 20051020  
 OS MARPAT 146:456842  
 GI



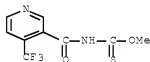
I

AB Insect pest is controlled by treating seeds or seedlings with pyridine compds.  
 I [X = O, S; Y = haloalkyl; R1, R2 = H, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heterocyclyl, CW1R3, S(O)nR4, NHR5; NR1R2 may be N:CR6R7, 5- or 6-membered heterocyclyl; R3 = (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heterocyclyl, alkoxy, alkylthio, mono- or dialkylamino; R4 = alkyl, dialkylamino; R5 = alkyl, aryl; R6, R7 = alkoxy, alkylthio; W1 = O, S; m = 0, 1; n = 1, 2] or their salts. Title three agents containing I or their salts are also claimed. Thus, wheat seeds were soaked in N-cyanomethyl-4-trifluoromethyl-3- pyridinecarboxamide solution and germinated in a chamber containing wheat aphid (Rhopalosiphum padi). Number of the aphids after 21 days was 43 per pot, vs. 645 for a control pot of seedlings germinated from untreated seeds.

IT 158062-75-0  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (insect pest control using pyridine compds., and seed, seedling pot, or nursery box treatment agents containing the compds.)

RN 158062-75-0 CAPLUS

CN Carbamothioic acid, N-[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, O-methyl ester (CA INDEX NAME)



L6 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:1097667 CAPLUS [Full-text](#)  
 DN 145:432167  
 TI Pharmaceutical compositions and methods using replicase complex defect inducers for inhibiting hepatitis C virus (HCV) replication  
 IN Huang, Mingjun  
 PA Achillion, USA  
 SO PCT Int. Appl., 550pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2006110762 A2 20061019 WO 2006-US13503 20060411  
 WO 2006110762 A3 20070503  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA  
 AU 2006235438 A1 20061019 AU 2006-235438 20060411  
 CA 2604442 A1 20061019 CA 2006-2604442 20060411  
 EP 1874952 A2 20080109 EP 2006-749774 20060411  
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR  
 PRAI US 2005-669872P P 20050411  
 WO 2006-US13503 W 20060411

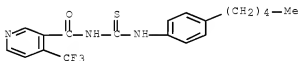
OS MARPAT 145:432167

AB The invention relates generally to replicase complex defect inducers and pharmaceutical compns. containing such inducers. Methods for developing mutants that are resistant to replicase complex defect inducers are also provided. Further included are mutants that can be used in screening for replicase complex defect inducers. Methods for screening test compds. for the ability to induce the formation of replicase complex defects are also described. Also included are methods of inhibition of HCV replication by replicase complex defect inducers.

IT 912634-77-6  
 RL: PAC (Pharmacological activity); BIOL (Biological study)  
 (replicase complex defect inducers for inhibiting hepatitis C virus replication)

RN 912634-77-6 CAPLUS

CN 3-Pyridinecarboxamide, N-[[4-(pentyphenyl)amino]thioxomethyl]-4-  
 (trifluoromethyl)- (CA INDEX NAME)



L6 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2006:343351 CAPLUS [Full-text](#)

DN 144:364562

TI Synergistic insecticidal and acaricidal compositions comprising nicotinic acid derivatives and pyrethroids

IN Sanwald, Erich; Hempel, Waltraud; Araki, Koichi; Murata, Tetsuya

PA Bayer Cropscience GmbH, Germany

SO PCT Int. Appl., 60 pp.

CODEN: PLXXD2

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006037553	A1	20060413	WO 2005-EP10521	20050929
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM DE 102004048527 A1 20060413 DE 2004-102004048527 20041006 PRAI DE 2004-102004048527 A 20041006 OS MARPAT 144:364562 GI				



AB Synergistic insecticidal and acaricidal compns. comprise the nicotinic acid derivs. I [A = heterocyclyl, C:(W)NR<sub>2</sub>R<sub>3</sub>, etc.; R<sub>1</sub> = haloalkyl; R<sub>2</sub>, R<sub>3</sub> = H, OH, (un)substituted alkyl, alkenyl, alkynyl, etc.; R<sub>2</sub>NR<sub>3</sub> = heterocyclyl; W = O or S] and pyrethroids.

IT 881920-38-3  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic insecticidal and acaricidal composition)

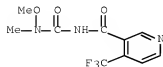
RN 881920-38-3 CAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dibromoethenyl)-2,2-dimethyl-, (S)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-, mixt. with N-[(methoxymethylamino)carbonyl]-4-(trifluoromethyl)-3-pyridinecarboxamide sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 881920-37-2

CMF C10 H10 F3 N O3 . Na



● Na

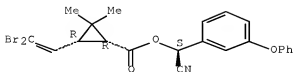


CM 2

CRN 52918-63-5

CMF C22 H19 Br2 N O3

Absolute stereochemistry.



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2006:75888 CAPLUS Full-text

DN 144:144759

TI Selective and synergistic insecticide and acaricide compositions based on haloalkynynicotinic acid derivatives, anthranilic acid diamides or phthalic acid diamides, and safeners

IN Fischer, Reiner; Fischer, Ruediger; Funke, Christian; Hense, Achim; Andersch, Wolfram; Hungenberg, Heike; Thielert, Wolfgang; Reckmann, Udo; Willems, Lothar; Arnold, Christian

PA Bayer CropScience AG, Germany

SO PCT Int. Appl., 133 pp.

CODEN: PIXXD2

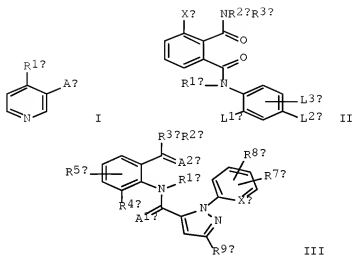
DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006008108	A2	20060126	WO 2005-EP7791	20050718
	WO 2006008108	A3	20060831		
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	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	DE 102004035134	A1	20060216	DE 2004-102004035134	20040720
	AU 2005263567	A1	20060126	AU 2005-263567	20050718
	CA 2574205	A1	20060126	CA 2005-2574205	20050718
	EP 1771072	A2	20070411	EP 2005-761088	20050718
	R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
	CN 1988804	A	20070627	CN 2005-80024810	20050718
	BR 2005012106	A	20080206	BR 2005-12106	20050718
	IN 2007DN00084	A	20070803	IN 2007-DN84	20070103
PRAI	DE 2004-102004035134	A	20040720		
	WO 2005-EP7791	W	20050718		

OS MARPAT 144:144759  
GI



AB The title insecticide and acaricide combinations comprise: (a) (1) at least one haloalkylnicotinic acid derivative I [AA = haloalkyl; AA = heterocyclyl, C:(WA)N3AR2A, etc; WA = O or S; R2A, R3A = H, OH, oximinoalkyl, hydrazonoalkyl, etc.; R3ANR2A = ring] or (2) at least one phthalic acid diamine II [XB = halo, cyano, (halo)alkyl, etc.; R1B, R2B, R3B, = H, cyano, (halo)cycloalkyl, etc.; L1B, L3B = H, halo, cyano, (un)substituted alkyl, Ph, PhO, heteraryloxy, etc.; L2B = H, halo, cyano, (un)substituted alkyl, etc.] or (3) at least one anthranilic acid amide III [XC = N or CR10C; R10C = H, (halo)alkyl, halo, cyano or haloalkoxy; A1C, A2C = O or S; R1C = H, (un)substituted alkyl, etc.; R2C = H, alkyl, alkenyl, alkynyl, etc.; R3C = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R4C = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, etc.; R5C, R8C = H, halo, (un)substituted (halo)alkyl, etc.; R7C = H, halo, (halo)alkyl, (halo)alkoxy, alkylthio, alkylsulfonyl, etc.; R9C = halo, haloalkyl, haloalkoxy, etc.] and (b) at least one compound that improves crop plant tolerance, especially cloquintocet-mexyl, isoxadifen-Et, and mefenpyr-diethyl.

IT 874141-60-3

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(selective and synergistic insecticide and acaricide composition)

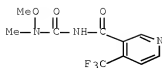
RN 874141-60-3 CAPLUS

CN 3-Pyridinecarboxamide, N-[(methoxymethylamino)carbonyl]-4-(trifluoromethyl)-, mixt. with 2,2-dichloro-N,N-di-2-propenylacetamide (9CI) (CA INDEX NAME)

CM 1

CRN 627879-89-4

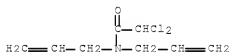
CMF C10 H10 F3 N3 O3



CM 2

CRN 37764-25-3

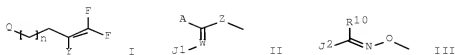
CMF C8 H11 Cl2 N O



L6 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:962203 CAPLUS [Full-text](#)  
 DN 143:266600  
 TI Preparation of insecticidal and nematocidal difluoroalkene derivatives  
 IN Crews, Alvin Donald, Jr.; Currie, Martin James; Hong, Wongpyo; Lahm, George Philip; McCann, Stephen Frederick; Song, Ying; Stevenson, Thomas Martin; Xu, Ming  
 PA E. I. Dupont de Nemours and Company, USA  
 SO PCT Int. Appl., 132 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005080327	A1	20050901	WO 2005-US5581	20050217
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1716112	A1	20061102	EP 2005-713929	20050217
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
	BR 2005007217	A	20070619	BR 2005-7217	20050217
	JP 2007524694	T	20070830	JP 2006-554291	20050217
PRAI	US 2004-545701P	P	20040218		
	US 2004-554100P	P	20040318		
	WO 2005-US5581	W	20050217		
OS	MARPAT 143:266600				

GI



AB The title compds. I [Q = II or III; Y = H, F, Cl or Me; A = CN, alkyl, OR1a, SR1a, NR1aR2a or CONR1bR2b; Z = O, S or NR3; W = N or CR4; J1, J2 = alkyl, alkenyl, cycloalkyl, G, etc.; G = (un)substituted Ph, naphthyl, 5-6 membered heteroaryl or aryl 8-10 membered fused heterobicyclic ring system; R1a, R1b = H, G, CN, etc.; R2a, R2b = H, alkyl, cycloalkyl, etc.; R3 = H, alkyl, cycloalkyl, etc.; R4 = H, alkyl, CN; R10 = H, alkyl, cycloalkyl, etc.; n = 1, 3 or 5; with provisos], which are useful for controlling invertebrate pests (biol. data given), were prepared. E.g., a 2-step synthesis of 4,4-difluoro-3-butenyl-N'-(2-fluorophenyl)-N,N-dimethylcarbamimidothioate, starting from 2-fluorophenyl isothiocyanate and dimethylamine, was given. Also disclosed are methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biol. effective amount of a compound I, an N-oxide thereof or a suitable salt of the compound (e.g., as a composition described herein). This invention also pertains to a composition for controlling an invertebrate pest comprising a biol. effective amount of a compound I, an N-oxide thereof or a suitable salt of the compound and at least one adnl. component selected from the group consisting of a surfactant, a solid diluent and a liquid diluent.

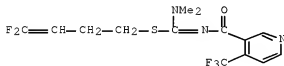
IT 863776-34-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of insecticidal and nematocidal difluoroalkene derivs.)

RN 863776-34-5 CAPLUS

CN Carbamimidothioic acid, N,N-dimethyl-N'-[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, 4,4-difluoro-3-butenyl ester (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 2005:451358 CAPLUS [Full-text](#)

DN 142:481955

TI Preparation of substituted nicotinoylcarbamates as pesticides

IN Ito, Masahito; Murata, Tetsuya; Araki, Koichi; Otsu, Yuichi; Shibuya, Katsuhiko; Nakakura, Norihiko

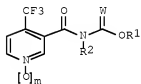
PA Bayer Cropscience Aktiengesellschaft, Germany

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005047255	A1	20050526	WO 2004-EP12276	20041029
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	JP 2005162732	A	20050623	JP 2004-181700	20040618
	EP 1685111	A1	20060802	EP 2004-791036	20041029
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	CN 1882545	A	20061220	CN 2004-80033661	20041029
	BR 2004016571	A	20070123	BR 2004-16571	20041029
	JP 2007513075	T	20070524	JP 2006-538716	20041029
	IN 2006DN02305	A	20070413	IN 2006-DN2305	20060426
	MX 2006PA05261	A	20060720	MX 2006-PA5261	20060510
PRAI	JP 2003-383977	A	20031113		
	JP 2004-181700	A	20040618		
	WO 2004-EP12276	W	20041029		
OS	CASREACT 142:481955; MARPAT 142:481955				
GI					



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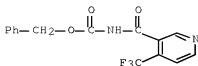
AB The title compds. I [m = 0-1; W = O, S; R2 = H, alkyl, aralkyl, etc.; R1 = (CR3R4)p(CHRS)qQ (wherein R3 = H, alkyl; R4 = H, alkyl, Ph, etc.; R5 = H, alkyl; p, q = 0-1; Q = (un)substituted aryl, 5-6 membered heterocyclyl that contains at least one hetero atom selected from N, O and S, etc.)], useful for controlling pests, were prepared. Thus, refluxing 4-trifluoromethylnicotinamide with oxalyl chloride in 1,2-dichloroethane benzyl alc. for 2 h followed by reacting the resulting intermediate with benzyl alc. afforded I [m = 0; W = O; R1 = CH2Ph; R2 = H] which showed 100% control of *Myzus persicae* (resistant to organophosphorous agents and carbamates) at 100 ppm.

IT 852241-61-3P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of substituted nicotinoylcarbamates as pesticides)

RN 852241-61-3 CAPLUS

CN Carbamic acid, [[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2008 ACS ON STN

AN 2005:55226 CAPLUS [Full-text](#)

DN 142:134605

TI Preparation of 3-pyridylcarboxamide derivatives as pesticidal agents

IN Araki, Koichi; Murata, Tetsuya; Ito, Masahito; Nakakura, Norihiko;  
Shimojo, Eiichi; Arnold, Christian; Jans, Daniela; Hempel, Waltraud;  
Malsam, Olga

PA Bayer Cropscience GmbH, Germany

SO PCT Int. Appl., 134 pp.

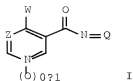
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005005412	A1	20050120	WO 2004-EP6610	20040618
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1644354	A1	20060412	EP 2004-740056	20040618
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	BR 2004012208	A	20060822	BR 2004-12208	20040618
	CN 1845919	A	20061011	CN 2004-80025035	20040618
	JP 2007506674	T	20070322	JP 2006-518012	20040618
	MX 2005PA14085	A	20060317	MX 2005-PA14085	20051220
	IN 2005DN05941	A	20070831	IN 2005-DN5941	20051220
	US 2007010532	A1	20070111	US 2006-562919	20060612
PRAI	EP 2003-14913	A	20030701		
	WO 2004-EP6610	W	20040618		
OS	MARPAT 142:134605				
GI					

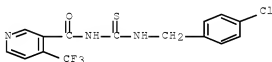


AB Title compds. I [W = haloalkyl; Z = CH, N; Q = substituted imidazolinyldiene] are prepared. For instance, (Z)-N-[4,4-dimethyl-5-thioxo-2-imidazolinyldiene]-4-trifluoromethylnicotinamide is prepared from N-[1-cyano-1-methylethyl]-N'-[4-trifluoromethyl-3-pyridinylcarbonyl]thiourea. Selected compds., at 30 ppm, caused a mortality of 90-100% among aphids by root-systemic action.

IT 627878-99-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of 3-pyridylcarboxamide derivs. as pesticidal agents)

RN 627878-99-3 CAPLUS

CN 3-Pyridinecarboxamide, N-[[[(4-chlorophenyl)methyl]amino]thioxomethyl]-4-(trifluoromethyl)- (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2004:1014210 CAPLUS Full-text  
 DN 141:421314

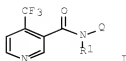
TI N-(5 or 6-membered heterocyclyl)nicotinamide derivatives and agrochemical compositions containing them

IN Mio, Shigeru; Okui, Eiji; Imai, Tsuneaki; Nakagawa, Harumi; Kajino, Fumie  
 PA Sankyo Agro Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 33 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004331541	A	20041125	JP 2003-128007	20030506
PRAI	JP 2003-128007		20030506		
OS	MARPAT 141:421314				
GI					



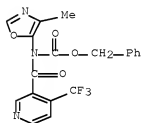
AB The derivs. I [Q = pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyridazin-3-yl, pyrazin-2-yl, isoxazol-4-yl, pyrazol-4-yl, pyrrol-3-yl, 1,3-oxazol-5-yl, 1,3-oxazol-4-yl, 1H-indol-3-yl, which may be substituted with halo, C1-6 alkyl, (un)substituted Ph, etc.; R1 = H, C2-8 alkylcarbonyl, C2-8 alkoxy carbonyl, benzyloxy carbonyl, (un)substituted nicotinoyl or their salts show high insecticidal activity against various pest insects. Thus, N-(pyridin-2-yl)-4-(trifluoromethyl)nicotinamide (II; preparation given) at 10 ppm completely controlled Myzus persicae on Brassica campestris. Agrochem. formulations of II were also given.

IT 794534-42-2P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of N-(5 or 6-membered heterocyclyl)nicotinamide derivs. as insecticides)

RN 794534-42-2 CAPLUS

CN Carbamic acid, (4-methyl-5-oxazolyl)[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:931334 CAPLUS [Full-text](#)

DN 140:4964

TI Preparation of pesticidal pyridinecarboxamides

IN Araki, Koichi; Murata, Tetsuya; Gunjima, Koshi; Nakakura, Norihiko; Shimojo, Eiichi; Mitchell, Dale Robert; Bastiaans, Henricus Maria Martinus; Carver, David Stephen; Allen, Daniel; Arnold, Christian; Hempel, Waltraud; Malsam, Olga; Waibel, Jutta Maria

PA Bayer CropScience GmbH, Germany; et al.

SO PCT Int. Appl., 161 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003/97605	A1	20031127	WO 2003-EP4715	20030506
	W: AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC,				



LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NI, NO, NZ, OM, PH, PL, RU, SC, SG, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

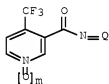
AU 2003234956 A1 20031202 AU 2003-234956 20030506  
 BR 2003010055 A 20050215 BR 2003-10055 20030506  
 EP 1507762 A1 20050223 EP 2003-752725 20030506  
 EP 1507762 B1 20060802

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

CN 1653049 A 20050810 CN 2003-811014 20030506  
 JP 2005536468 T 20051202 JP 2004-505338 20030506  
 AT 334967 T 20060815 AT 2003-752725 20030506  
 ES 2270080 T3 20070401 ES 2003-752725 20030506  
 ZA 2004008410 A 20051031 ZA 2004-8410 20041018  
 MX 2004PA11326 A 20050214 MX 2004-PA11326 20041115  
 IN 2004CN02575 A 20070330 IN 2004-CN2575 20041116  
 US 2005227970 A1 20051013 US 2005-514430 20050610

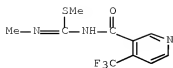
PRAI EP 2002-10911 A 20020516  
 WO 2003-EP4715 W 20030506

OS MARPAT 140:4964  
 GI



I

- AB The title compds. [I; N:Q = N:C(Z)NR2R3, N:C(XR1)WR4; Z = YR1, NR5R6; or when Z = YR1, R1 and R3 may form together with the adjacent YCNR2 atoms, (un)substituted 5-6 membered saturated heterocyclic ring which optionally contains and addnl. N or O atom, etc.; Y, X, W = O, S; or R1 and R4 may form together with the adjacent XCW group, (un)substituted 5-6 membered (un)saturated heterocyclic ring; R1 = alkyl, alkenyl, cycloalkyl, etc.; R2, R5 = H, alkyl, alkoxy, etc.; R3, R6 = H, R1; R4 = substituted alkyl, (un)substituted alkenyl, cycloalkyl, etc.; m = 0-1], useful for the control of pests, were prepared Thus, treating 4-trifluoromethyl-3- pyridinecarboxamide with NaH in DMF followed by addition of benzyl isothiocyanate, and then allyl bromide afforded 1-benzyl-S-(2-propenyl)-3- (4-trifluoromethyl-3- pyridylcarbonyl)isothiourea which caused a mortality of at least 80% among the black bean aphids (Aphis fabae), by root-systemic action.
- IT 627884-16-6P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of pesticidal pyridinecarboxamides)
- RN 627884-16-6 CAPLUS  
 CN Carbamidodithioic acid, N-methyl-N'-[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:931333 CAPLUS [Full-text](#)

DN 140:4963

TI Preparation of pyridinecarboxamides as pesticides

IN Araki, Koichi; Murata, Tetsuya; Gunjima, Koshi; Nakakura, Norihiko;  
Shimojo, Eiichi; Arnold, Christian; Hempel, Waltraud; Jans, Daniela;  
Malsam, Olga; Waibel, Jutta Maria

PA Bayer CropScience GmbH, Germany; et al.

SO PCT Int. Appl., 146 pp.

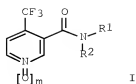
CODEN: PIXXD2

DT Patent

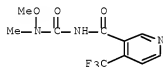
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003097604	A1	20031127	WO 2003-EP4714	20030506
	WO 2003097604	A9	20040506		
	W:	AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GE, HR, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NI, NO, NZ, OM, PH, PL, RU, SC, SG, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2486090	A1	20031127	CA 2003-2486090	20030506
	AU 2003242249	A1	20031202	AU 2003-242249	20030506
	EP 1507761	A1	20050223	EP 2003-732317	20030506
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	BR 2003009972	A	20050301	BR 2003-9972	20030506
	CN 1653048	A	20050810	CN 2003-811009	20030506
	JP 2005537230	T	20051208	JP 2004-505337	20030506
	ZA 2004008409	A	20051031	ZA 2004-8409	20041018
	MX 2004PA11325	A	20050214	MX 2004-PA11325	20041115
	IN 2004CN02573	A	20070302	IN 2004-CN2573	20041116
	US 2006166991	A1	20060727	US 2005-514485	20050926
PRAI	EP 2002-10910	A	20020516		
	WO 2003-EP4714	W	20030506		
OS	MARPAT 140:4963				
GI					



- AB The title compds. [I; m = 0-1; R1 = C(:U)NR3R4, C(:V)OR3a; R2 = H, alkyl, R3; R3 = OH, NH2, substituted alkyl, etc.; or R2 and R3 together with the interconnecting atoms form (un)substituted heterocyclic ring such as imidazolidinone, oxadiazinone, hydantoin, etc.; or NR3R4 = (un)substituted 3-8 membered (un)saturated heterocyclic ring which optionally contains up to three addnl. N, O or S atoms; R3a = cycloalkyl, cycloalkylalkyl, alkylamino, etc.; U = S, O, (un)substituted NH; V = O, S], useful for the control of pests, were prepared Thus, treating 4-trifluoromethyl-3- pyridinecarboxamide with oxalyl chloride followed by reacting the resulting isocyanate with N,O-dimethylhydroxylamine.HCl afforded 1-methyl-1-methoxy-3-(4-trifluoromethyl-3-pyridylcarbonyl)urea which caused mortality of at least 80% among black bean aphids (Aphis fabae), by root-systemic action.
- IT 627879-89-4P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of pyridinecarboxamides as pesticides)
- RN 627879-89-4 CAPLUS
- CN 3-Pyridinecarboxamide, N-[(methoxymethylamino)carbonyl]-4-(trifluoromethyl)- (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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